SBR No. 43/22-23
DATED 18-11-2022

Original/Duplicate/Triplicate

EE/ELE/Y/BR.No. 43/22-23

No. 2nd Ra bill

CONTRACT CERTIFICATE
(For Other Works)

Date.....2010 Dt. 18-11-2022

Division: **Electricals** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :-002-22-000008**

Schedule Docket No.Head of Account: **P0300 Replacement of fusedout streetlight bulbs,chokes etc**
D.R.No. : **Period: 01-07-2022 to 30-09-2022 (for 3 months)**
Name of Work :- **Annual Maintenance and repairs of street lights in ward no 02 Package Y -02 of Yelahanka Zone."**
Name of Contractor and Full Address:**M/S. Suraksha Electricals**
Reference to Agreement No:-EE/Ele/YZ/WO/000002/2022-23 Date:01/04/2022
Reference to Work order No:-EE/Ele/YZ/WO/000002/2022-23 Date:01/04/2022

Certified that the measurements were taken by me on 6/11/22 and recorded of Pages 260141 to 142 of measurement Book No. 2602/22-23 and that the work is satisfactorily executed.

For M/s. Suraksha Electricals
Proprietor
Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 6/11/22 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer
Assistant Executive Engineer (Ele)
BBMP, Bangalore

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	2nd RA Bill 722320:00
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	IT 1% 7223:00 Cess 1% 7223:00 GST 1% 722:00
	b) Payments Now made cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Cess 1% 7223:00 Sus 1% 7223:00
5)	Balance being unpaid value of work done held in reserve.	Scrap 2% 14446:00
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	Fine 6200:00
7)	Net amount due to or from Contractor unadjustments items.	Deductions 50260:00
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted	Payable 672060:00

Contractors Signature

For M/s. Suraksha Electricals
Proprietor

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No.....Dated.....
Cash Rs.....Dated.....
Initials of Officer making payment

Stamp

(For use in the Office)

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P0300 Mondrto Streetlgt
ರೂ: 722320:00 ಆಡಿಟ್ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ
ರೂ: 672060:00 ಚೆಕ್ ನೀಡಬಹುದಾಗಿದೆ
ರೂ: 50260:00 ಹಿಂಪಡಿಕೆ ಮಾಡಿದೆ

Executive Engineer

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು ಕಾ.ಪಾ.ಅ.(ವ) ಯಲಹಂಕ ವಲಯ

Sl. No.	Description of item	Unit
	Name of Work :-Annual Maintenance and repairs of street lights in ward no 02 Package Y -02 of Yelahanka Zone.	
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 400 watts HPSV street light/High Mast lighting systems.	Each
5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
			3	Months	Upto Date paid so for 6 Months		
15 x 3 Months	2570.40	5	57.12	856.80	15 x 6 Months	3427.20	
109 x 3 Months	20607.54	109	63.02	20607.54	109 x 6 Months	41215.08	
2106 x 3 Months	536587.74	2106	84.93	536587.74	2106 x 6 Months	1073175.48	
209 x 3 Months	58417.59	209	93.17	58417.59	209 x 6 Months	116835.18	
223 x 3 Months	49057.77	223	73.33	49057.77	223 x 6 Months	98115.54	
198 x 3 Months	56792.34	198	95.61	56792.34	198 x 6 Months	113584.68	
0 x 3 Months	0.00	0	114.80	0.00	0 x 6 Months	0.00	
0 x 3 Months	0.00	0	131.29	0.00	0 x 6 Months	0.00	

9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each
10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole.	Nos
11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole.	Nos
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA. 3 Pole	Each
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm	Each
14	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material, delivering superior light output.Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB . LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Post Top Lantern with 35 watts	Nos
15	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps	No
16	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Eac
17	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP	Eac
	TOTAL	
	Add GST 12 % on item no 09 to 16	
	TOTAL Rs	
	Fine imposed for non burning of street lights For the period of 1/07/2022 to 30/09/2022	
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material	
	GRAND TOTAL	

Certificate

The above said monthly maintenance work has been carried out satisfactorily

T.E.N. Boddy
Tech

T.E.N. Boddy

0 x 3 Months	0.00	0	155.95	0.00	0 x 6 Months	0.00	
0	0.00	0	550.00	0.00	0	0.00	
0	0.00	0	770.00	0.00	0	0.00	
0	**0.00**	0	**4530.00**	0.00	0	0.00	
0	0.00	0	2054.00	0.00	0	0.00	
0.00	**0.00**	0	6400.00	0.00	0	0.00	
0.00	0.00	0	7200.00	0.00	0	0.00	
0	0.00	0	4030.00	0.00	0	0.00	
0	**0.00**	0	723.00	0.00	0	0.00	
	724033.38			**722319.78**		**1446353.16**	
	0.00			0.00		0.00	
	724033.38			**722319.78**		**1446353.16**	
	6200.00			6200.00		12400.00	
	14480.67			14446.40		28927.06	
	703352.71			**701673.38**		**1405026.10**	